Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR No 03/19-20
DATED 4-4-19

No.1st & Final Bill
Date.....2010

EE/ELE/Y/BR No 03/19-20
Dt. 4-4-19

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-011-18-000133**
Schedule Docket No. Head of Account : P – 0287(M&R to Electrical Crematorium) D.R.No.

Name of Work. Providing CCTV Cameras to the crematorium at medi Agrahara, Lakshmipura Ward No 11.
.Name of Contractor and Full Address:- M/s Trisha Electricals.
Reference to Agreement No:EE/Ele/YZ/WO/000049/2018-19 Date:- 04/02/2019

Certified that the measurements were taken by me on 27/3/2019 and recorded of Pages 256,507 to 513 of measurement Book No. and that the work is satisfactorily executed.

For Trisha Electricals Proprietor 2566/18-19 27/3/19

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele) **Sub Division Officer**
BBMP, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill = 380450=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3805=00
3)	" Balance	Cess 1% 3225=00
4)	Deduct Payment:	Cess 1% 3225=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	LWC 1% 3805=00
		CBFO 1% 381=00
	b) Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work. Amount paid on this bill Cheque / Cash.	deductions = 14,441=00
		Cheque = 3,66,009=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....Initials of Officer making payme

For Trisha Electricals Proprietor

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0287 M&R to Elect...
ರೂ: 380450=00 ಅಂಕಿಯಲ್ಲಿ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 3,66,009=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 14,441=00 ಹೊಂದಾಣಿಕೆ ಪಡಿಸಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl no	Description of item	Unit
	Name of the Work:-Providing CCTV Cameras to the crematorium at Mediagrahara Lakshmipura Ward No1	
1	Supplying, erecting, testing & commissioning of OFF-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with all accessories complete and Excluding batteries and wiring complete.2 KVA OFF LINE UPS One Hour back up Excluding 3x 80Ah batteries	Mtrs
2	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Low maintenance Tubular batteries.12 V ,100 AH capacity Acid Battery	Mtrs
3	Supplying & Fixing of switch mounting rack with power manager & Cable manager. 6U with 450mm depth	Nos
4	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A.4C X 1.5Sq.mm	Mtrs
5	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Mtrs
6	Supplay & fixing of DS-7B16HUHI-K2 – DVR -HIKVISION Supports up to 5 MP Camera	Nos
7	Supplay & fixing of DS-2CE5AHOT-ITPF-DOME camera -5 MP - HIKVISION	Nos
8	Supplay & fixing of DS-2CE1AHOT-ITPF-BULLET camera -5 MP - HIKVISION	Nos
9	Supplay & fixing of 4TB Hard Disk- WD Surveillance	Nos
10	Supplay & fixing of Power Supply for Camera 12 V-16 Amps – ERD	Nos
11	Supplay & fixing of 32" TV – LED – CL/LG/Samsung	Nos
12	Installation & Configuration of DVR Camera	Set
13	Supplay & fixing of Huawei 4g Dongle E 8732 4 G Switch	Nos
14	Supplay & fixing of Tplink MR 3020 4G Switch for remote Viewing	Nos
15	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.65 Watts	Nos

16	Supplay and erection of Single phase Thyristor based smart street light control system consisting of following aquipments 1. Precise turn ON & OFF of street lights on pre programmed data 2. 2 x 16 character LCD display unit to display date, status ON Or OFF , turn ON & OFF time, 3. Keypad to set/edit ON & OFF time as per the end user 4. Microcontroller with Real Time Clock and associated hardware 5. 1 No, SCR 162 amps thyristor module for load switching mounted on an extruded alluminium heat sink 6. Thyristor Driver Card: Driver control circuit to switch ON & OFF the Thyristor module 7. Firmware: Firmware to control the hardware and display the required data 8. Power Supply: AC to DC conversion circuit required for the electronic circuitry and driver control card 9. Enclosure is made out of 18 swg CRCA ms sheet of size H480xW310XD200mm with luvers for Heat dissipation IP65 weather proof metal enclosure 10. Wiring & other components like wiring, connectors ,insulators, Alluminium Bus bar and 2 nos of 125 amps single pole MCB for main power Supply control and Manual On & off operation & etc complete.	Nos
17	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire 12 SWG	Mtrs
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

		1	30000.00	30000.00	1	30000.00	
		200	13.00	2600.00	200	2600.00	
				380450.00		**380450.00**	